

125. (New) The energy storage device of claim 110, wherein at least one of the first and second electrodes has a porosity gradient in a direction from the current collector with which the electrode is in electrical communication toward the other electrode that varies by no more than 15% at any location.

126. (New) The energy storage device of claim 110, wherein at least one of the first and second electrodes has a porosity gradient in a direction from the current collector with which the electrode is in electrical communication toward the other electrode and the gradient is defined by a quadratic function.

127. (New) The energy storage device of claim 110, wherein at least one of the first and second electrodes has a porosity gradient in a direction from the current collector with which the electrode is in electrical communication toward the other electrode and the gradient is defined by a step function.

128. (New) The energy storage device of claim 110, wherein at least one of the first and second electrodes has a reticulating surface defining a plurality of protrusions and intervening indentations, providing a surface area at least 1.5 times greater than the theoretical surface area of a smooth, non-reticulating configuration.

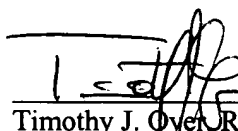
REMARKS

This is a preliminary amendment in which the Applicant has canceled claims 1-57, and the second occurrence of claims 58-60. The Applicant has added new claims 65-128. No new matter has been added.

A favorable first action is respectfully requested.

If, for any reason, the Examiner is of the opinion that a telephone conversation with the Applicant's representative would expedite prosecution, the Examiner is invited to contact the undersigned at 617-573-7851.

Respectfully submitted,



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